

Highland Park Public Schools Enrollment Projection and Facility Utilization Study



March, 2017

General Community Characteristics

	2010	2015	Diff	Percent
Population	13,982	14,263	281	2.01%
School Aged	2,173	2,679	506	23.29%
Med Age	34.8	34.9	0.1	0.29%
Med Income	\$53,250.00	\$68,837.00	\$15,587.00	29.27%
Mean Income	\$98,329.00	\$99,696.00	\$1,367.00	1.39%
Housing Units	6,102	6,046	-56	-0.92%

Changes in Community Racial Characteristics

	2010	2015	Diff	Percent
White	9,398	9,054	-344	-3.66%
Asian	2,425	2,064	-361	-14.89%
Black	777	870	93	11.97%
Hispanic	1,197	1,956	759	63.41%
Other	193	219	26	13.47%

Changes in School Racial Characteristics

	2,011	2,015	Diff	Percent
White	611	622	11	1.80%
Asian	327	407	80	24.46%
Black	167	159	-8	-4.79%
Hispanic	278	343	65	23.38%
Other	48	76	28	58.33%

Calculating Student Yields/Housing Units

Name	Address	Range	Phone	Studio	1 BR	2 BR	3 BR	Total	Students	Yield
Orchard Gardens	260 S 11th Ave		348-3403		110	98		208	50	0.24
Riverview Manor	350-360 Crowells Rd		964-9289			110		110	10	
Cedar Arms (Apt)	100 Cedar Lane	2-208	395-2246		125	75		200		
Cedar Lane	100 Cedar Lane	2-208	395-2248		120	101		221		
Total Cedar Lane					245	176		421	92	0.22
Treetops	250 Treetops Dr		749-7175		156	60		216	22	0.36
Donaldson Park	319 Crowells Rd	285-369 Crowells	572-1326		24	128		152	53	0.41
					780	748		1528		0.31

By sampling various residential units/apartment types in Highland Park we were able to develop an average student yield factor to apply to the new residential housing units (which are primarily going to be multi-family dwellings)

Total New Units to be Built (Under Construction or Approved)

	Studio	1	2	3	
The Crossings				94	94
Highland Cliffs				23	23
Kaplan		60	72	65	197
American Properties			55	55	110
		60	127	237	
					424

Based this table there are 60 one bedroom units (we assume an insignificant number of students from these units); 127 two bedroom units for which we are estimating 40 students and 237 three bedroom units for which we are estimating 91 students. The total number of students from these new developments is estimated to be 131. These will be added to the ***cohort projection table***.

Cohort Projections are enrollment projections based solely on historical school enrollment. For this study we used enrollments from the 2011-12 school year through the current school year as our historical base.

Enrollment Projection without New Housing Developments

District Wide Enrollment History and Projection (without New Developments)

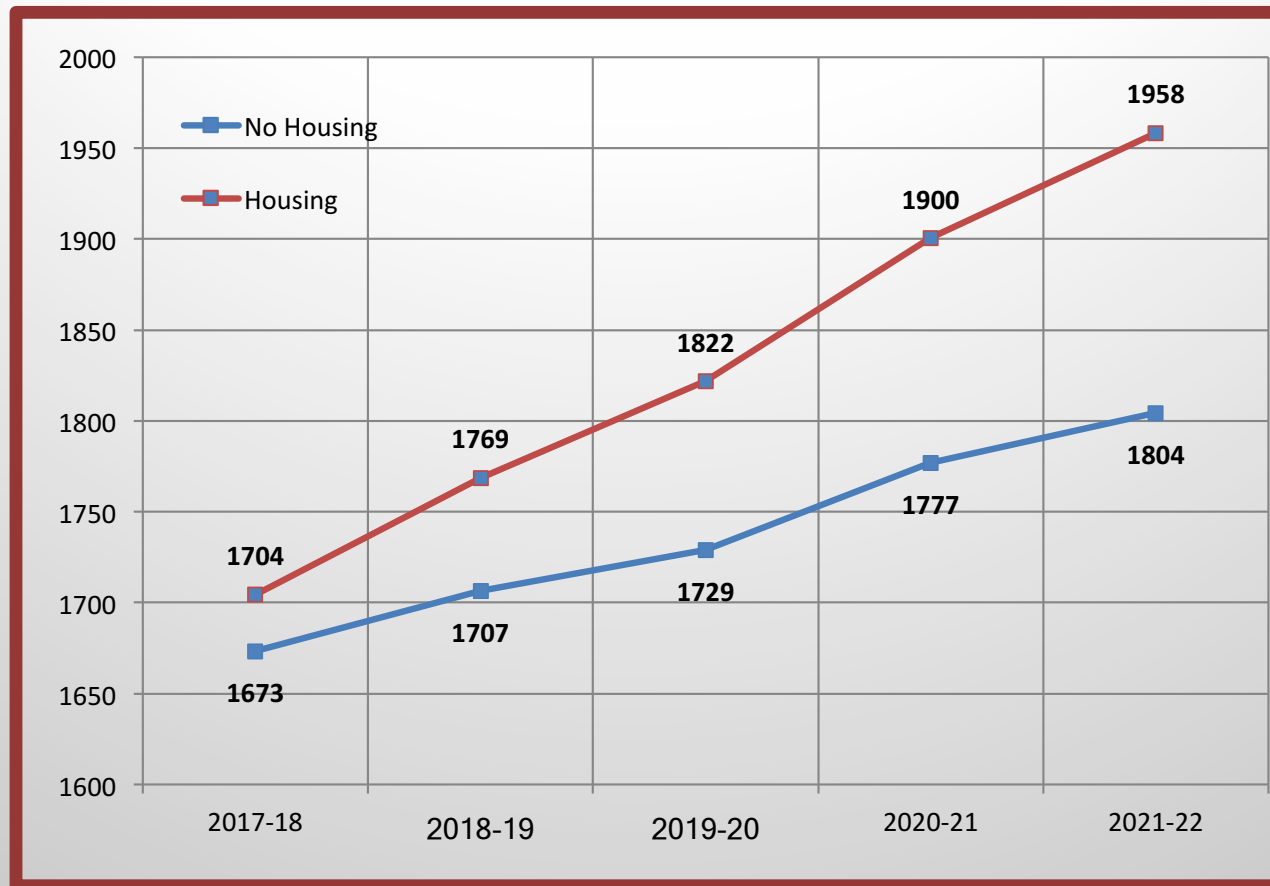
Year	Births	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	PK-1	2-5	6-8	9-12	PK-12	Sp Ed	Total		
2011-12	201	74	0.54	108	98	109	101	89	119	91	113	111	94	101	112	101	280	418	315	408	1421	42	1463	
2012-13	189	77	0.65	123	1.05	0.94	1.08	0.97	1.06	1.04	1.09	1.08	1.14	0.98	1.09	1.02	114	313	402	345	443	1503	36	1539
2013-14	193	82	0.65	125	0.97	1.10	1.01	1.02	1.07	1.10	1.01	1.10	1.12	0.94	1.01	0.95	104	326	442	337	454	1559	33	1592
2014-15	163	66	0.79	128	0.95	1.04	1.00	1.11	0.98	1.08	0.99	0.99	1.20	0.96	0.99	1.00	93	313	469	339	474	1595	21	1616
2015-16	148	58	0.73	108	1.02	0.95	1.02	0.95	0.98	1.05	1.04	1.01	1.03	0.92	0.97	1.02	121	297	458	344	497	1596	16	1612
2016-17	177	71	0.66	116	1.03	0.99	1.00	1.06	1.03	1.05	0.96	1.04	1.11	1.00	0.98	1.05	133	298	497	347	494	1636	16	1652
Average			0.69		1.00	1.00	1.02	1.02	1.02	1.06	1.02	1.05	1.12	0.96	1.01	1.01								
Year	Births	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	PK-1	2-5	6-8	9-12	PK-12	Sp Ed	Total		
2017-18	171	71		119	116	111	133	115	136	129	108	124	137	110	129	120	306	496	361	495	1657	16	1673	
2018-19	171	70		119	119	117	114	136	118	145	131	113	139	131	110	130	307	484	388	511	1691	16	1707	
2019-20	173	67		120	119	120	119	116	139	125	147	137	126	134	133	111	306	494	409	504	1713	16	1729	
2020-21	172	67		119	120	120	122	122	119	147	127	154	153	121	135	133	307	482	429	543	1761	16	1777	
2021-22	173	69		120	120	121	122	125	125	126	150	133	172	147	122	136	309	492	409	578	1788	16	1804	

Enrollment Projection with New Housing Developments

District Wide Enrollment History and Projection (with New Developments)

Year	Births	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	PK-1	2-5	6-8	9-12	PK-12	Sp Ed	Total	
2011-12	201	74	0.54	108	98	109	101	89	119	91	113	111	94	101	112	101	280	418	315	408	1421	42	1463
2012-13	189	77	0.65	123	113	92	118	98	94	124	99	122	127	92	110	114	313	402	345	443	1503	36	1539
2013-14	193	82	0.65	125	119	124	93	120	105	103	125	109	137	120	93	104	326	442	337	454	1559	33	1592
2014-15	163	66	0.79	128	119	124	124	103	118	113	102	124	131	131	119	93	313	469	339	474	1595	21	1616
2015-16	148	58	0.73	108	131	113	126	118	101	124	117	103	128	121	127	121	297	458	344	497	1596	16	1612
2016-17	177	71	0.66	116	111	130	113	133	121	106	119	122	114	128	119	133	298	497	347	494	1636	16	1652
Average			0.69		1.00	1.00	1.02	1.02	1.02	1.06	1.02	1.05	1.12	0.96	1.01	1.01							
Year	Births	PK	K	1	2	3	4	5	6	7	8	9	10	11	12	PK-1	2-5	6-8	9-12	PK-12	Sp Ed	Total	
2017-18	171	71		122	119	114	136	118	139	132	111	127	138	111	130	121	312	508	370	499	1688	16	1704
2018-19	171	70		122	125	123	120	142	124	151	137	119	144	133	113	132	316	509	406	522	1753	16	1769
2019-20	173	67		123	125	129	129	125	148	135	156	146	134	139	136	114	315	530	437	523	1806	16	1822
2020-21	172	67		122	126	129	134	134	131	160	140	166	165	130	141	137	316	528	467	573	1884	16	1900
2021-22	173	69		123	126	130	134	140	140	143	166	149	188	159	132	143	318	545	458	622	1942	16	1958

Projection Comparison with and without New Housing Developments



Facility Utilization

1. A survey was provided to each building principal eliciting information regarding the current utilization of the building. This allowed the principals provide real time information about his or her school and to have input into the process.
2. The floor plans for each building were checked and analyzed in conjunction with the principal's survey response.
3. An on-site visit was made to each building and it provided an opportunity to discuss any differences between the floor plans and the survey response.
4. Tables and narratives were prepared showing the findings of the facility study.

Irving Primary Utilization

Irving	2016-17	Rooms	Actual	Average Class Size	Irving	2017-18	Rooms	Actual	Average Class Size	Irving	2018-19	Rooms	Actual	Average Class Size
		21.00										21.00		
		23.00										23.00		
KG	116	5.52	6	19	KG	122	5.81	6	20	KG	122	5.81	6	20
1	111	5.29	6	19	1	119	5.67	6	20	1	125	5.95	6	21
PK	71	4.73	4	15	PK	71	4.73	4	18	PK	70	4.67	4	18
Total	298	10.02	16	19	Total	312	10.40	16	20	Total	317	10.62	16	21
Available Rms			20		Available Rms			20		Available Rms			20	
Diff			4		Diff			4		Diff			4	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	
Resource			1		Resource			1		Resource			1	
ESL/BiLingual			1		ESL/BiLingual			1		ESL/BiLingual			1	
Irving	2019-20	Rooms	Actual	Average Class Size	Irving	2020-21	Rooms	Actual	Average Class Size	Irving	2021-22	Rooms	Actual	Average Class Size
		21.00					21.00					21.00		
		23.00					23.00					23.00		
KG	123	5.86	6	21	KG	122	5.81	6	20	KG	123	5.86	6	21
1	125	5.95	6	21	1	126	6.00	6	21	1	126	6.00	6	21
PK	67	4.47	4	17	PK	67	4.47	4	17	PK	69	4.60	4	17
Total	315	10.42	16	21	Total	315	10.47	16	21	Total	318	10.60	16	21
Available Rms			20		Available Rms			20		Available Rms			20	
Diff			4		Diff			4		Diff			4	
Art			1		Art			1		Art			1	
Music			1		Music			1		Music			1	
Resource			1		Resource			1		Resource			1	
ESL/BiLingual			1		ESL/BiLingual			1		ESL/BiLingual			1	

Details of the findings are in the final report

BartleElementary Schools

Bartle	2016-17	Rooms	Actual	Average		Bartle	2017-18	Rooms	Actual	Average		Bartle	2018-19	Rooms	Actual	Average	
		21.00		Class Size						Class Size				21.00			Class Size
		23.00												23.00			
2	130	6.19	6	22		2	114	5.43	6	19		2	123	5.86	6	21	
3	113	5.38	6	19		3	136	6.48	6	23		3	120	5.71	6	20	
4	133	5.78	6	22		4	118	5.13	6	20		4	142	6.17	6	24	
5	121	5.26	6	20		5	139	6.04	6	23		5	124	5.39	6	21	
Total	497	17.35	24	21		Total	507	17.04	24	21		Total	509	17.75	24	21	
Available Rms			28			Available Rms			28			Available Rms			28		
Diff			4			Diff			4			Diff			4		
Art			1			Art			1			Art			1		
Music			3			Music			3			Music			3		
Band			1			Band			1			Band			1		
Bartle	2019-20	Rooms	Actual	Average		Bartle	2020-21	Rooms	Actual	Average		Bartle	2021-22	Rooms	Actual	Average	
		21.00		Class Size				21.00		Class Size				21.00			Class Size
		23.00						23.00						23.00			
2	129	6.14	6	22		2	129	6.14	6	22		2	130	6.19	6	22	
3	129	6.14	6	22		3	134	6.38	6	22		3	134	6.38	6	22	
4	125	5.43	6	21		4	134	5.83	6	22		4	140	6.09	6	23	
5	148	6.43	6	25		5	131	5.70	6	22		5	140	6.09	6	23	
Total	531	17.72	24	22		Total	528	18.35	24	22		Total	544	18.66	24	23	
Available Rms			28			Available Rms			28			Available Rms			28		
Diff			4			Diff			4			Diff			4		
Art			1			Art			1			Art			1		
Music			3			Music			3			Music			3		
Band			1			Band			1			Band			1		

Details of the findings are in the final report

Middle School Class Sizes

Gr6	2016-17			2021-22		
	Students	Section	Av Cl Sz	Students	Section	Av Cl Sz
English	106	5	21	143	6	24
Math	106	5	21	143	6	24
Soc Stu	106	5	21	143	6	24
Science	106	5	21	143	6	24
Gr 7	Students	Section	Av Cl Sz	Students	Section	Av Cl Sz
	119	5	24	166	6	28
	119	5	24	166	6	28
	119	5	24	166	6	28
	119	5	24	166	6	28
Gr 8	Students	Section	Av Cl Sz	Students	Section	Av Cl Sz
English	122	5	24	149	6	25
Math	122	5	24	149	6	25
Soc Stu	122	5	24	149	6	25
Science	122	5	24	149	6	25

Details of the findings are in the final report

High School Class Size Estimates

	2016-17				2021-22		
	Students	Rooms	Av Cl Size		Students	Rooms	Av Cl Size
English	494	28	18		622	28	22
Math	494	27	18		622	28	22
Soc Stu	494	28	18		622	28	22

Conclusion

The Highland Park Schools have shown growth during past six years primarily based upon sales of existing housing stock. With the addition of new non-age restricted housing units, enrollment will continue to grow. At this time both Irving and Bartle are fully utilized (meaning every classroom space is being used). However it does appear that the schools do have room to accommodate the growth as projected in this study.

The major facility issues are at the middle school and the high school. The enrollment at the middle school is growing to a point where either additional sections need to be added or class sizes need to be increased. The increased enrollments in both schools will put pressure on the core facility and could have a major impact on scheduling lunch periods.